

**Amendments to the Claims:**

1 – 30 (Cancelled)

31. (Currently Amended) A culture Culture medium conditioned by MMH cells (c-Met Transgenic Murine Hepatocyte), cytokines and soluble factors released by immortalized untransformed hepatocytes that are differentiated, polarized epithelial cells; said medium being characterized in that it is free from conditioning cells, when used, permitting the for maintenance[[],]] and proliferation and differentiation of adult mammalian cells.

32-33 (Cancelled)

34. (Currently Amended) The culture Culture medium according to claim 31 wherein said cultured mammalian cells are cord-blood stem cells.

35. (Currently Amended) The culture Culture medium according to claim 31 wherein said cultured mammalian cells are non human embryonic stem cells or adult stem cells including human.

36. (Currently Amended) The culture Culture medium according to claim 31 wherein said mammalian cells are endodermal, ectodermal and mesodermal or their adult progenitor and stem cells.

37. (Currently Amended) The culture Culture medium according to claim 31 characterized for further comprising at least one biological molecule selected from the group consisting of proteins, glycoproteins, lipoproteins, carbohydrates, lipids, glycolipids, peptides, antibodies, cytokines, hormones and enzymes.

38. (Currently Amended) The culture Culture medium according to claim 31 further characterized for being depleted for at least one biological molecule selected from the group

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consisting of: proteins, glycoproteins, lipoproteins, carbohydrates, lipids, glycolipids, peptides, antibodies, cytokines, hormones and enzymes.

39. (Cancelled)

40. (Currently Amended) The culture Culture medium according to claim 31 in the form of a solid, a lyophilized medium, a powder, a gel, a film, or a freeze-dried compound.

41. (Cancelled)

42. (Currently Amended) A process Process for the preparation production of [[a]] the conditioned culture medium according to claim 1 comprising the steps of incubating MMH cells (c-Met Transgenic Murine Hepatocyte) ~~immortalized untransformed hepatocytes that are differentiated, polarized epithelial cells~~ in a culture medium for at least 2 hours and separating said hepatocytes from the conditioned culture medium before the use for maintenance, proliferation and differentiation of adult mammalian cells.

43. (Currently Amended) The process Process according to claim 42 wherein the separation step is performed by filtration or by centrifugation.

44. (Currently Amended) The process Process according to claim 42 wherein said culture medium is ROSWELL PARK MEMORIAL INSTITUTE (RPMI)<sup>TM</sup> medium, Ham's HAM'S F12<sup>TM</sup> medium, Dulbecco's Modified Eagle's Medium DULBECCO'S MODIFIED EAGLE'S MEDIUM (DMEM)<sup>TM</sup>, RPMI 1640<sup>TM</sup> medium, Iscove's ISCOVE'S MEM (IMEM)<sup>TM</sup>, or MCCOY'S MEM (MMEM)<sup>TM</sup> McCoy's.

45-52 (Cancelled)

53. (Currently Amended) A method Method for growing, expanding, and/or maintaining and /or differentiate isolated adult mammalian cells *in vitro* said method comprising

the step of placing in contact said cells with the culture medium according to claim 31.

54. (Currently Amended) The method according to claim 53 wherein said isolated cells are cord-blood stem cells.

55. (Currently Amended) The method according to claim 53 wherein said isolated cells are non human embrional stem cells or adult stem cells.

56. (Currently Amended) The method according to claim 53 wherein said cells are endodermal, ectodermal, and mesodermal, and their adult progenitor thereof and stem cells.

57. (Currently Amended) The method according to claim 53 wherein said cells are NK cells.

58. (Currently Amended) The method according to claim 53 wherein said cells are dendritic cells.

59. (Currently Amended) The method according to claim 53 wherein said cells are endothelial cells.

60. (Currently Amended) A kit for maintenance, proliferation and differentiation of adult mammalian cells, said kit comprising the culture medium according to claim 31 together with laboratory means for cell culture and instructions for use.